

Title (en)

FLUID DISPENSING DEVICE FOR THE PROVISION OF DIFFERENT FLUID MATERIALS

Title (de)

FLÜSSIGKEITSAUSGABEVORRICHTUNG ZUR AUSGABE VERSCHIEDENER FLÜSSIGKEITSMATERIALIEN

Title (fr)

DISPOSITIF DE DISTRIBUTION DE FLUIDE POUR LA FOURNITURE DE DIFFÉRENTS MATÉRIAUX FLUIDES

Publication

**EP 3608759 A1 20200212 (EN)**

Application

**EP 19191666 A 20170203**

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- EP 17154553 A 20170203

Abstract (en)

The invention provides a bathroom fixture in the form of an faucet with multiple outlets for delivering different fluid materials, which may be activated via associated touchless proximity sensors. The device provides visual cues to assist in the touchless operation thereof.

IPC 8 full level

**G06F 3/01** (2006.01); **A47K 3/28** (2006.01); **A47K 5/12** (2006.01); **B67D 1/00** (2006.01); **B67D 1/08** (2006.01); **E03C 1/04** (2006.01); **E03C 1/046** (2006.01); **E03C 1/05** (2006.01); **E03C 1/14** (2006.01); **F21V 8/00** (2006.01); **G02B 5/08** (2006.01); **G02F 1/13** (2006.01); **G06F 3/03** (2006.01); **G06F 3/048** (2013.01); **G06F 3/0481** (2013.01); **G06F 3/0482** (2013.01); **G06F 3/0484** (2013.01); **G06F 3/16** (2006.01)

CPC (source: EP US)

**A47K 3/281** (2013.01 - EP US); **A47K 5/1202** (2013.01 - EP US); **A47K 5/1211** (2013.01 - US); **A47K 5/1217** (2013.01 - EP US); **B67D 1/00** (2013.01 - EP US); **B67D 1/0872** (2013.01 - EP US); **E03C 1/0404** (2013.01 - EP US); **E03C 1/0408** (2013.01 - EP US); **E03C 1/057** (2013.01 - EP US); **E03C 1/14** (2013.01 - EP US); **G02B 6/0005** (2013.01 - US); **G06F 3/011** (2013.01 - US); **G06F 3/017** (2013.01 - EP US); **G06F 3/0304** (2013.01 - EP US); **G06F 3/048** (2013.01 - EP US); **G06F 3/04812** (2013.01 - EP US); **G06F 3/0482** (2013.01 - US); **G06F 3/04842** (2013.01 - EP US); **G06F 3/167** (2013.01 - US); **A47K 2210/00** (2013.01 - EP US); **E03C 1/046** (2013.01 - EP US); **E03C 2001/0418** (2013.01 - EP US); **G06F 3/04817** (2013.01 - US); **G06F 2203/04101** (2013.01 - EP US)

Citation (applicant)

- US 7984825 B2 20110726 - OPHARDT HEINER [CA], et al
- US 8684236 B2 20140401 - OPHARDT HEINER [CA]
- US 9122320 B1 20150901 - ROWLES JOHN W [US], et al
- US 3829675 A 19740813 - MARIANI R
- US 4765701 A 19880823 - CHESLAK LEONARD W [US]
- US 5799124 A 19980825 - ZORN CARL J [US], et al
- US 6840655 B2 20050111 - SHEN YA-KUANG [TW]

Citation (search report)

- [IPY] US 2017022692 A1 20170126 - WANG JUN-SHENG [CN], et al & CN 204962012 U 20160113 - RUNNER XIAMEN IND CORP
- [IY] US 2015101121 A1 20150416 - BURGO SR GARY A [US], et al
- [Y] US 2007246550 A1 20071025 - RODENBECK ROBERT W [US], et al
- [A] US 2015308089 A1 20151029 - THOMPSON CHRISTOPHER IAN [GB], et al
- [A] US 8365767 B2 20130205 - DAVIDSON KYLE ROBERT [US], et al

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